

We claim:

1. A method for improving the effectiveness of an enzyme in an animal feed, comprising the step of adding to an animal feed containing an exogenous enzyme a surfactant selected from the group consisting of lecithin and lysolecithin.

2. A method as defined in claim 1, wherein said exogenous enzyme has enzyme activity selected from the group including α -amylase, β -glucanase, cellulase, lipase, protease and xylanase activities.

3. A method as defined in claim 1, wherein said animal feed includes from between about 10 weight percent to about 55 weight percent of a small cereal grain.

4. A method as defined in claim 3, wherein said small cereal grain is selected from the group including wheat and barley.

5. A method as defined in claim 4, wherein said enzyme is added to said animal feed in an amount to provide xylanase activity of between about 5,000 and about 50,000 units/kilogram of said animal feed.

6. A method as defined in claim 5, wherein said surfactant is included at a rate that comprises between about 0.025 and about 0.200 grams/kilogram of the animal feed.

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1g : 100 = 0.1%

5% = 50 : 1kg

7. A method as defined in claim 1, wherein said surfactant is included at a rate that comprises between about 0.025 and about 0.200 grams/kilogram of the animal feed.

8. An animal feed supplement comprising:
a source of at least one exogenous enzyme having enzyme activity selected from the group including α -amylase, β -glucanase, cellulase, lipase, protease and xylanase activities; and
a surfactant selected from the group consisting of lecithin and lysolecithin.

9. An animal feed supplement as defined in claim 8, wherein said surfactant comprises at least about 25 percent and up to 100 percent lysolecithin.

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